**S4 Table:** B (95% CI) for association between cognitive scores at follow-up, and at baseline with quintiles of IGF-1, separated by age classes

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | **Q1** | **Q2** | **Q3** | **Q4** | **Q5** |
|  | **Adjusted models for cognitive scores at follow-up** |
| **Memory performance** | < 60yrs | -0.02(-1.10 to 1.07) | 0.45(-0.52 to 1.42) | 0.42(-0.60 to 1.44) | 0.52(-0.56 to 1.60) | Ref. |
| > 60yrs | -0.25(-1.72 to 1.22) | 0.50(-1.13 to 2.13) | -0.09(-1.46 to 1.27) | -0.04(-1.50 to 1.43) | Ref. |
| **Processing capacity** | < 60yrs | 0.22(-0.82 to 1.26) | 0.44(-0.46 to 1.35) | 0.51(-0.42 to 1.43) | 0.30(-0.63 to 1.23) | Ref. |
| > 60yrs | 1.46(-0.45 to 3.36) | 1.78(-0.28 to 3.84) | 1.60(-0.30 to 3.50) | 1.52(-0.35 to 3.39) | Ref. |
| **Executive function** | < 60yrs | -0.15(-1.34 to 1.04) | -0.06(-1.10 to 0.97) | -0.21(-1.31 to 0.88) | 0.56(-0.58 to 1.70) | Ref. |
| > 60yrs | 0.49(-0.95 to 1.92) | 0.38(-1.27 to 2.02) | 0.93(-0.55 to 2.41) | 0.21(-1.13 to 1.53) | Ref. |
| **Log MMSE scores** | < 60yrs | 0.020(-0.0030 to 0.0500) | 0.020(-0.0040 to 0.0400) | 0.020\*(0.0003 to 0.0400) | 0.010(-0.0100 to 0.0400) | Ref. |
| > 60yrs | 0.040(-0.0030 to 0.0800) | 0.050\*(0.0060 to 0.0900) | 0.030(-0.0100 to 0.0800) | 0.040(-0.0100 to 0.0800) | Ref. |
|  | **Adjusted models for cognitive scores at baseline** |
| **Memory performance** | < 60yrs | -0.22(-1.08 to 0.64) | -0.33(-1.07 to 0.41) | -0.60(-1.37 to 0.16) | -0.25(-1.01 to 0.52) | Ref. |
| > 60yrs | 0.85(-0.07 to 1.76) | 0.71(-0.33 to 1.75) | 0.71(-0.27 to 1.68) | 0.26(-0.71 to 1.23) | Ref. |
| **Processing capacity** | < 60yrs | 0.52(-0.81 to 1.84) | 0.13(-1.01 to 1.28) | 0.10(-1.08 to 1.28) | 0.12(-1.05 to 1.30) | Ref. |
| > 60yrs | 0.87(-0.25 to 1.99) | 0.86(-0.41 to 2.14) | 1.22\*(0.03 to 2.41) | 0.84(-0.35 to 2.02) | Ref. |
| **Executive function** | < 60yrs | -0.26(-1.49 to 0.96) | -0.06(-1.11 to 1.00) | 0.80(-0.29 to 1.89) | 0.25(-0.83 to 1.34) | Ref. |
| > 60yrs | 0.31(-0.95 to 1.57) | -0.35(-1.78 to 1.08) | 0.51(-0.83 to 1.85) | 0.30(-1.03 to 1.63) | Ref. |
| **Log MMSE scores** | < 60yrs | -0.010(-0.0300 to 0.0100) | -0.020(-0.0300 to 0.0040) | - 0.010(-0.0300 to 0.0060) | -0.010(-0.0300 to 0.0100) | Ref. |
| > 60yrs | 0.008(-0.0200 to 0.0300) | 0.004(-0.0300 to 0.0300) | 0.004(-0.0200 to 0.0300) | 0.007(-0.0200 to 0.0400) | Ref. |

\*significant at *p* < .05; Adjusted models include age, level of education, BMI, smoking, physical activity, and glucose levels; Follow-up models additionally adjusted for baseline cognitive score; MMSE: mini mental state examination; BMI: body mass index